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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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## ALIGNMENTS

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(C) In induces the proliferation of neural cells and regeneration of nerve and brain tissue and is useful for the treatment of central and companies. In addition, (I) is involved in chemotactic or chemokinetic selerosis. In addition, (I) is involved in chemotactic or chemokinetic continuity, regulation of haematopolesis and is useful for treating myeloid or lymphold cell disorders, platelet disorders such as Alichimer's, culture, regeneration of hemotopropenia and its repeneration of hemotopropenia for treating osteoporosis, osteoarthritis, bone degenerative confusers, for treating osteoporosis, osteoarthritis, bone degenerative confusers including severe combined immune deficiency send or injury in various tissues, various immune deficiencies and confusers including severe combined immune deficiency problems, cut-freme disciders y withing and or liver fibrosis, cut-freme disciders y withing allergic fortility, metabolism, catabolism, anabolism, storage or climination of fortility, metabolism, catabolism, anabolism, storage or climination of memune response. Add44920-Add85295 represent novel human secreted protein conditions securities of the invention.
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19.UM.2000, 1001MS-0559305
01-SEP-2000, 2000MS-05636361
15-SEP-2000, 2000MS-0593305
20.OCT 2000, 2000MS-0593305
30.MOV-2000, 2000MS-0593305
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, Wang J, Chang J, Ren F, (
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                                                                                                                                                                 The invention relates to polynucleotides encoding novel human of proteins or their active domains. The polypeptides, polynucleotides and antilladies raised against the golypeptides are used to are their activity. The polypeptides can be used as the result of the polypeptides are used to the polypeptides are used to identify compounds which that to the compounds which that to the compounds which that to the polypeptides for sequencing, for the invention are used as probes and comprises, for sequencing, for chromosome or generating anti-sense DNA or promption of recombinant proteins, and in generating anti-sense DNA or PNA and in gene thorapy. Polypeptides of the invention can be used to compound their tree proteins antibodies/eligit an immune response, to determine quantitative compounds which the compounds which the compounds of the invention can be used to raise antibodies/eligit an immune response, to determine partitive compounds of the invention and says to determine partitive compounds of the invention of invention because the compounds of the invention and survival of stem colls, as a collapsent ind/or nerve tissue, would healthy, treating bareas, promoting the proliferation, differentiation and survival of stem colls, as a collapses, strong lambours and Huntington's diseases, amylotrophic lateral collapses, strong lambours deficiency resulting from bacterial, viral or graft-versus-bost disease, eczema, haemophilia, thrombousis, and infection collapses, a process a system disorders, and infection collapses, a process of invention.
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Sequence 4162 RP; 1080 A; 1062 C; 1080 G; 940 T; 0 other;

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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             74 GGACGACTOGACTOCCACTOCCCCCANOPTEAGACAGTTCCTCCCGGGCTGGCTAC 133
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Pred. No. 2.6e-44;
0; Mismatches 156;
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Human cDNA encoding a novel human protein #111.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Alzheimer's, Parkinson's and Huntington's diseases, amylotrophic lateral sclerosis, stroke immune deficiencies resulting from bacterial, viral confungal infection or from autoimmunity, cancer, allergy, asthma, graft-versus-host disease, eccema, haemophilia, thrombosis, anti-inflammatory diseases, nervous system disorders, and infection. The present sequence encodes a protein of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 disorders, stem cell disorders, regenerating bone, cartilage, tendon, ligament and/or nerve tissue, wound healing, treating burns, promoting the proliferation, differentiation and survival of stem cells, as a contraceptive, treating estepperosis and osteparthritis, anaemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antibodies raised against the polypopuldes are used in a method of treatment of a mammal and prevention of disorders caused by the aberrant protein expression or activity. The polypopuldes can be used as
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                                                                                                                                                                                                           CC treatment of a mammal and prevention of disorders caused by the aberrant CC protein expression or activity. The polypeptides can be used as CC molecular weight markers, food supplements, and in antibody production. The polypeptides are used to identify compounts which that to the CC production of recombinant processor, and in generating anti-sense DNA or CC production of recombinant processor and in generating anti-sense DNA or CC PNA and in gene therapy. Polypeptides of the invention are used to CC target drugs to a tumour processor, and in generating anti-sense DNA or CC PNA and in gene therapy. Polypeptides of the invention can be used to CC production of recombinant processor, and to isolate receptors or ligands. Polypeptides of the invention and stays to determine guantitative CC protein levels, as tissue markers, and to isolate receptors or ligands. CC disorders, stem cell disorders, regenerating bone, cartillage, tendon, CC ligament and/or norve tissue, wound healing, treating burns, promoting CC the proliferation, differentiation and survival of stem cells, as a contraceptive, treating csteoperges and osteparthis, anameia, CC Alzheimer's, Parkinson's and Huntington's diseases, amylotrophic laterai CC Graft-versus-host disease, eczema, haemophilia, thrombosis, and infection. The processor sense a provides of the invention.
                                                                        Matches
                                                                                                East Local
The invention relates to polynuclectides encoding novel human proteins or their active domains. The polypeptides, polynuclectide antibodies raised against the polypeptides are used in a method of
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anticonvulsant; antiarthitid, celebricistive; antifongal, antiviral;
antibarterial; antiallergic; dermatrological; haemostatic; antiasthmatic;
thrombolytic; immunigen; antibody; gene therapy, neurological disorder;
Farkinson's disease, inflammatory disorder, canner, anthma, osteoprocsis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Isolated polypeptides useful for treating anti-inflammatory diseases, nervous system disorders, and for regenerating longual martilage -
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The invention relates to polynucle-tides enoughing movel human proteins or their active domains. The polypeptides, polynucleotides and antibulies raised against the polypeptides are used in a restoil if treatment of a dammar and prevention of usorders caused by the lifetiant
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AAD28492

AAD28492 standard;

cPNA; 4541

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22 APR-2002

(first entry)

Human extracellular messenger (XMES) -2 cDNA.

Ruman, extracellular messenger; neurological dicordor; epilepsy; XMES-2; Alzheinei's liveuse, autulomune dis i He, venal hubular acidocis, stroke

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314 TANCHSCATUGGAACCOSCTIT TEAGGGGGGGCTGGGAGAGAGAGGGCCACGGGCTTAAG
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New extracellular messenger polypeptides and polynucleotides encoding them, useful for diagnosing, treating or preventing e.g. neurological autoimmune, inflammatory, developmental and endocrine disorders -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-JUN-2000, 2000US-210233F
23 JUN 2000, 2000US-213465E
14-NOV-2000, 2000US-249019P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and polynucleotides encoding them. XMES is useful in the treatment and prevention of neurological disorders (e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4541 EP, 1688 A, 1217 C, 1213 G, 1023 T, C other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence is human XMES-2 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              stroke,
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                                                                                                                        2002-154577/20
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                                                                                                                                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nt and prevention of neurological disorders (e.g. epilepsy,
or Alzheimer's disease), autoimmune/inflammatory disorders (e.g.
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66.0%;
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Baughn MR, Duggan
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Fred. No. 2.
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uggan BM,
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S, Hafali
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27-SEP-2000)
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                                                                              measuring human gene expression in a sample derived from human foeral
liver. The single exon nucleic acid probes may be used for predicting,
measuring and displaying gene expression in samples derived from human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2159
                                                                                                          The invention relates to a single exon nucleic acid probe for measuring human gene expression in a sample derived from human footal
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26-MAY-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human foetal liver single exon nucleic acid probe #12507
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                                                                                                                                                   Claim 1, SEQ ID NO 12507, 639pp + sequence listing, English
                                                                                                                                                                                                                                                                                                                                                                                                                     20-788-2001,
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                                                                                                                                                                                          genome derived single exth nucleic
                                                                                                                                                                                                                                                                             MOLECULAR DYNAMICS INC
                                                                                                                                                               gene expression in human fetal liver -
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2000US-0207456.
2000QUS-0608408
2000US-0632366.
2000US-0632366.
2000QUS-0234687
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Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly

liver. The present sequence is a single exon nucleic acid

WIPO at ftp.wipo.int/pub/published\_pct\_sequences

probe of the invention.

fetal

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AAK12681
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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                                                                                                                                                                                                                                                                                                                                                                          Human; brain expressed exon, gene expression analysis, probe; microarray, Albhelmer's disease, multiple sclerosis, schizophrenia, epilepsy; cancer; ss.
                                                                                                                                                                   <u>.1 SEP food, LiveUS-ilidesi.</u>
27-SEP-2000; ZonnUS-02359.
04-0"T 2000; ZonnuXP 0024253.
                                                                                                                                                                                                       64 FSP 1995, 2000US-018112
26-MAY-2000; 2000US-0207456
30-JUN-2000; 2000US-6668468
03-AUG-2000; 2000US-0632366
                                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                              Human brain expressed single exon probe SEQ ID NO. 12672.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         05 - NOV - 2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAK12681 standard, DWA, 573 BP.
The present invention provides a number of single exon nucleic acid
                        Esample 4,
                                                              Single exem nucleic acid probes for analyzing gene expression
                                                                                                                                                                                                                                                                       30-JAN 2001; 2001WO-US00667
                                                                                                                                                                                                                                                                                                  U9-AUG-LOUL.
                                                                                                                                                                                                                                                                                                                           WO200157275-A2
                                                                                                                                         (MOLE-) MOLECULAR DYNAMICS INC
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                                                                                                                 Hanzel DE,
                        CM 41 CAS
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                        12672, AROpp - Requence Listing;
                                                                                                                  Chen W.
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Pred No 1 9e-26;
0, Mismatches 124
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                                                                in human
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RESULT 11
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ID AAK3398
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AC AAF2
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AC AAF2
XX Huma
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X
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26 MAY 2000/ 2000US-0207456
30 JUN-2000/ 2000US-040408
03 AUS-2000/ 2000US-043236
21 SEE 2000/ 2000US-0234687
27 SEE 2000/ 2000US-02346359
04-00T 2000/ 2000US-02346359
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They can be used to measure gene expression in brain cell samples which may enable the diagnosis and improved treatment of nervous system diseases such as Alzheimer's disease, multiple scherosis, schizophrenia, epilepsy and cancers. The present sequence is one of the probes of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20 TAN 2001; CODIMO TOOGER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WC200157776-A2
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26:MAY:0000; 700008: 9207456
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27:SEP-2000; 200008: 0236789
04-00T 2000; 20008 0024263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human bone marrow -
                                                                                                                30-JAN 2001;
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                                                                                                                                                                                    Homo sapiens
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(MOLE-) MOLECULAR DYNAMICS
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Note: The sequence data for this patent did not form part of the printed specification, but was detained in electronic format directly from WIPO
30-JAN-2001; 2001WO-US00663
                                                                                                      W0200157272 A2
                                                                                                                                                                                                         genetic disorder;
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                                                 CO AM 2001
                                                                                                                                                                                                                                                                                    Probe #13041 used to measure gene expression in human placenta sample
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pulmonary alveolar proteinosis; fibrocystic pulmonary dysplasia;
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SEP 2000;
SET 2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antenatal diagnosis of human genetic disorders
                                                                                                                                                                                                                                                                                               TETROCYCLAGOGGAACGAGTDAGACTPACCACTGCCCCTGAGGTGAGGAAAGCTGCTCT 120
                                                                                                                                                                                                                                                                                                                                                             UAGCAAAAUUSTGUCTTAGCAACUÜTTGCAAAAACAATGGCATGTGCAGGGATGGGTGGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CNACTATOSCIACSIOSSCIOCATCASSSATTTSTTCATOSATOSCCAAAG-CAAAGATA 315
                                                                                                                                                                                                                                                                                                                                                                                             CUCTGANGUAGISTS OST OBSCOUTTSTNOAAACS AS SECATITSTO (AGAGGGITG) ACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9.TS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene expression in human placenta
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2000US 0632366,
2000US 0632366,
2000US-0234687,
2000US 0736359
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                                                                                                                                                       (tirst entry)
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                                                                                                                        derived single exit probe from lung SEQ II No 11444
                                                                                                                                                                                                                                                                                                                                                                                                                                            No 13041, 654pp, English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AGCTGGCCTTGTCTTCC
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ריין
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rank DR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (A) DGAGGTGTGGACTGCTGTGCT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           compression and the anisotrally comprising the nevel ret of probes, the nevel set of probes which hybridise at high stringency to a compression to acre which hybridise at high stringency to a collection of despressed in the human lung, measuring gone expression in a collection of despressed in the human lung, comprising one expression and a collection of despression and its laterative with a collection of despression and to measuring the label desponsible acids from human lung commands agreed from human lung commands agreed from the extraction of the extraction probed that the despression and the extraction of desectably collected mucleic acids from eukaryote lung mRNA, to a single excn probed in the expression from eukaryote lung mRNA, to a single excn probed that its the expression of the ex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-FEB-2000, 2000US 1
26 MAY-2000, 2000US 2
30 JUN-2000; 2000US-0
03-AUG 2000; 2000US-0
                                                                                                                                                                                                                                                                                                                                                                                                                                                         expression analysis, and for identifying exons in a gene, particularly using human lung derived menA and for the study of lung diseases such as asthma, lung derived menA and for the study of lung disease (COPD), interesticial lung disease (TID), familial idiopathic pulmonary fibrosis, neurofibromatosis, tuberous sclerosis, Gaucher's disease, Niemann-Pick disease, Hermansky-Pudlak syndrome, sarcoidosis, pulmonary
                                                                                                                  probe of the invention.

Where The sequence data for this parent did not form part

Where The sequence data for this parent did not form part

LE the painted specification, but was obtained in electronic

format directly from WIPO at
                                                                                                                                                                                                                                                                                      haemosiderosis, pulmonary histicoytosis, lymphangiclejomyomtosis, pulmonary diveblar ploteinosis, Kurageter syndhome, fibrogratic pulmonary dysphasia, primary ciliary dyskinesis, primonary hyportencion and hyalino mentrane disease. The present segmence in a single even
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nucleic acid probes for measuring gene expression in a sample derived from human lung comprising single exon nucleic acid probes having one 12614 nucleic seid sequences mentioned in the specification, or their complements or the 12397 spec reading frames derived from the 12614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          c_{\rm Fall} addressable set of ringle exon nucleic acid probes, used measure gene expression in human lung samples -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30
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hyaline mumbiane disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to a spatially-addressable set of single exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tlaim 1, SF2 ID No 12444; F74pp; English
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                                                                           [tg wipo int/pub/folt] ished_pot_sequences
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; 2000US:236359P.
; 2000GB:0024263.
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Sequence 573 BP; 159 A; 128 C; 143 G; 143 T; 0 other,

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Best Local Similarity 64.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          04-FEB-2000; 2000UG 0180312.
26-MAY:2000; 2000UG 0207456.
30-UUR:2000; 2000UG 02074608.
31-AUG-2000; 2000UG 0232366.
21-SEP-2000; 2000UG 0234687.
27-SEP-2000; 2000UG 0234683.
04-00T-2000; 2000UG 0224163.
The present invention provides a number of single exon nucleic acid probes which are derived from genomic sequences expressed in the human bone marrow. They can be used to measure gene expression in bone marrow samples, which may enable the improved diagnosis and treatment of cancer
                                                                                                                                                                                                              Human genome-derived single exon nucleic acid probes useful for analyzing gene expression in human bone marrow \dot{}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human home marrow expressed single exim probe SEQ ID NO.
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                                                                                                                                                 Example 4; SEQ ID NO: 5293; 659pp + Sequence Listing; English
                                                                                                                                                                                                                                                                                                               WPI; 2001-488900/53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-JAN 2001, 2001WO-US00668
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           microarray; cancer; leukaemia; lymphoma; myeloma; ss.
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                                                                                                                                                                                                                                                                                                                                                                      Chen W, Rank
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                                                                                                                                                                                                                                                                                                                                                                         DR;
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                                                                                                                                                                                                                                                       Matches 147;
                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                     such as lymphoma, leukaemia the probes of the invention.
                                                                                                                                                                                                                                                                                                                     Cequence 465 BE, 132 A, 96 C, 106 G, 131 T, 0 other;
 418
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                                                                                              121
                                                                                                                                                            61 TCTNCCCGAGGGGGGAGTGGACTGCCACTGCCCCCTGAGGTGAGGACAGCTGCTCT 120
                                                                                                                                                                                                                                                                      Match 16.1%; Local Similarity 64.5%;
                                                                                                                                                                                                                1 CATTOTTSCOCASSASASSOCSASSOCTSSASACTSSASASTSASCTSTACOTSSESSS 60
                T00393300T38GT3A93000A8939300T89330GT89000CTTT01 228
TCCGGCAAATGGCTGAAGTTCAAAGTACTGCTGGAGTGAAGCCTTCCT 465
                                                            CAACTAPSECTAPSECTSCATCASSATTISTICATCSADSCCAAAG-CAAAGATA 417
                                                                                                                            GCTGCCAGAAAATAA---AGCTGGCCTTGTCTTCCCCACCGAGGTGTGGACTGCTCTGCT
                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                      leukaemia and myeloma. The present sequence is one of
                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                        Score 78; I
                                                                                                                                                                                                                                                                                       DB 22;
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es 77; Indels
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Swatch dompleted. Match L9, 1992, 22:04:34 Job time : 216 secs

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